



TITLE:

Emeritus Professor Mituru Takanami, Cover & Contents

AUTHOR(S):

CITATION:

Emeritus Professor Mituru Takanami, Cover & Contents. Bulletin of the
Institute for Chemical Research, Kyoto University 1993, 71(3)

ISSUE DATE:

1993-10-29

URL:

<http://hdl.handle.net/2433/77535>

RIGHT:

BULLETIN OF THE INSTITUTE FOR CHEMICAL RESEARCH

KYOTO UNIVERSITY

Vol. 71, No. 3

*Commemoration Issue Dedicated to
Professor Mituru TAKANAMI
On the Occasion of His Retirement*

Published bi-monthly by

THE INSTITUTE FOR CHEMICAL RESEARCH
KYOTO UNIVERSITY
KYOTO, JAPAN

October 1993

(Bull. Inst. Chem. Res., Kyoto Univ.)

INSTITUTE FOR CHEMICAL RESEARCH KYOTO UNIVERSITY

Director

Jun'ichi ODA

Members of Council

Yoshichika BANDO	Kaoru FUJI	Fumitaka HORII
Makoto INOUE	Keisuke KAJI	Minoru KANEHISA
Takashi KOBAYASHI	Shinzo KOHJYA	Masakazu MATSUI
Takeaki MIYAMOTO	Takeshi MUKOYAMA	Akira NODA
Jun'ichi ODA	Atsuyoshi OHNO	Kunihiro OSAKI
Sumio SAKKA	Naoki SATO	Teruya SHINJO
Kenji SODA	Nobuyuki SUGITA	Yukio SUGIURA
Sho TAKAHASHI	Mikio TAKANO	Kouhei TAMAO

Publication Committee

Shigeru KAKIGI	Soichi HAYASHI	Atsuhiro OKA
Naoki SATO	Nobuyoshi HOSOITO	Yukio SUGIURA

Business Staff

Zenji IWATA	Sayoko JIDO	Yutaro KOTANI
-------------	-------------	---------------

History of Publications

Term	Vol.	Title	Published
Jan., 1929- Dec., 1947	1-16	化学研究所講演集 (The Reports of the Institute for Chemical Research)	Indeterminately
April, 1993	—	10 Jahre Institut für chemische Forschung (化学研究所創立十周年記念号)	—
March, 1949- Dec., 1949	17-19	化研講演集 (The Reports of the Institute for Chemical Research)	Indeterminately
March, 1950- Sept., 1952	20-30	化学研究所報告 (Bulletin of the Institute for Chemical Research)	Quarterly
Dec., 1951	—	The Commemoration Volume for the Silver Jubilee (化学研究所創立二十五周年記念号)	—
Jan., 1953 onwards	31 No.1-	Bulletin on the Institute for Chemical Research (化学研究所報告)	Bi-monthly
Nov., 1966	44 No.6	Special Issue on the Commemoration of the Fortieth Anniversary (化学研究所創立四十周年記念号)	—
Nov., 1976	54 No.6	Special Issue of the Commemoration of the Fiftieth Anniversary (化学研究所創立五十周年記念号)	—



高 浪 満 教授

Professor Dr. Mituru Takanami

Emeritus Professor Mituru Takanami

On the 31st of March, 1993, Dr. Mituru Takanami retired from Kyoto University after 26 years of service to Kyoto University and was honored with the title of Emeritus Professor of Kyoto University on the following day.

Dr. Takanami was born in Toyama on the 15th of September, 1929. He graduated from the Department of Zoology, Kyoto University in 1952 and continued his studies as a graduate student at the same department under the supervision of Professor Kenji Nakamura. In 1953, he was appointed as instructor of the Faculty of Science, Kyoto University. Later, he became chief researcher of the National Institute of Animal Health, in the Ministry of Agriculture and Forestry, and engaged in the biochemical study of ribonucleoproteins. He received a doctoral degree from Kyoto University for these studies in 1961. He was promoted to an associate professor of the Research Institute for Nuclear Medicine and Biology of Hiroshima University in 1962. On a leave of absence in 1963, he worked at the Brooklyn National Laboratory and afterward at the Space Science Laboratory, University of California. During his 3-year stay in the U.S.A., Dr. Takanami gained further experience on the biosynthesis of ribonucleic acids and proteins, in cooperation with Professors G. Zubay and T.H. Jukes, respectively.

In 1967, Dr. Takanami moved to the Institute for Chemical Research, Kyoto University, as a full professor to direct the Laboratory of Molecular Biology. In 1981, he established a new laboratory, the Research Facility for Nucleic Acids. Dr. Takanami conducted extensive research in the fields of molecular biology and biochemistry. In particular, he obtained prominent results in studying transcription initiation, the structure of bacterial promoters, and the initiation of replication of plasmid and bacterial chromosome. At the Graduate School of Science, Kyoto University, he gave lectures on advanced molecular genetics and supervised dissertation research of graduate students.

From the 1st of April, 1988 to the 31st of March, 1990, Dr. Takanami was appointed to Director of the Institute and made great contributions not only to the Institute but also to the University as a councilor.

Dr. Takanami devoted himself to organizing the Molecular Biology Society of Japan and officiated as President of the Society for two years from April 1987. He was also an editor of the international journal, *Molecular and General Genetics*. Through these activities, he contributed intensively to the development of Japanese molecular biology and the international communication of research.

The sincere and warm personality of Dr. Takanami has won him the respect of his friends, colleagues, and students. This collection of papers is dedicated to him to honor his long period of service on his retirement.

July, 1993



Jun'ichi Oda
Director
Institute for Chemical Research
Kyoto University

CONTENTS

Commemoration Issue Dedicated to Professor Mituru Takanami on the Occasion of His Retirement

Atsuo Yonezawa and Yukio Sugiura: Tachyplesin I-Induced Inhibition of Sequence-Specific Protein Binding to DNA.....	245
Nobuo Nomura and Satoshi Tabata: A Simple Method for Constructing Cloning Vehicles with Long Polylinker Sequences	252
Nahoko Higashitani, Atsushi Higashitani, Yasuo Hotta and Satoshi Tabata: Characterization of Meiosis-Specific Strand Transfer Activities in Lily Microsporocytes	259
Koh-zoh Kameyama and Kazunori Sugimoto: The Effect of Promoter-Enhancer on V(D)J Recombination of Extrachromosomal DNA Substrates	268
Takuji Tanaka, Tetsuya Sakai, Mikiko Chihara-Siomi, Kazuya Takeshima, Hiroaki Kato, Takako Misawa, Tomoko Hashimoto, Takaaki Nishioka and Jun'ichi Oda: Construction, Expression, and Characterization of Glutathione Synthetase Chimeras: Substitution of a Loop with a Homologous Peptide Region of Dihydrofolate Reductase	274
Takashi Aoyama, Hideki Endoh, Mituru Takanami and Atsuhiro Oka: DNA Signal Architecture for Transcriptional Activation by the Regulatory Protein VirG	288
Mikio Aoki and Atsuhiro Oka: Phosphoprotein Phosphatase Genes of <i>Arabidopsis thaliana</i>	295
Koji Itahana, Keiko Yasuda, Tatsuo Takeya and Toshiaki Tanaka: Establishment of Primary Culture System of Porcine Granulosa Cells and Construction of Normalized cDNA library.....	308
Wataru Fujibuchi and Minoru Kanehisa: A Method to Extract Functional Motifs for Transcriptional Regulation in Eukaryotic Sequences	317
Zenmei Ohkubo and Minoru Kanehisa: Characterization of Spatially Close Peptide Segments in Proteins	327

COMMUNICATION

Hiroyuki Sugisaki: Nucleotide Sequence of the Gene of <i>Hga</i> I Restriction Endonuclease	338
---	-----

REVIEWS

- Kiyozo Asada, Takashi Uemori, Tomoko Nakagawa, Ikunoshin Kato, Naohiro Shiragami and Ryo Harasawa: Sequence Analysis of the 16S-23S Spacer Region in rRNA Operons of the *Mollicutes*. *Acholeplasma* has tRNA Genes in the Spacer Region but *Mycoplasma* does not 343
- Atsuhiko Oka, Takashi Aoyama and Hideki Endoh: Transcriptional Control of the *Agrobacterium* Virulence Genes by Two Proteins VirA and VirG 355
- Tohru Yoshimura, Kwang-Hwan Jhee, Nobuyoshi Esaki and Kenji Soda: Stereochemistry and Evolution of Aminotransferases 368
- Toshiaki Tanaka, Eimei Sato, Tatsuo Takeya and Koji Itahana: Molecular Biology of the Ovarian Follicle..... 376

**Received from the Library of Institute for Chemical Research, Kyoto University
the following Publication(s)**

“Bulletin of Institute for Chemical Research, Kyoto University.”
Vol. 71, No. 3(1993) copy/copies

Institute:

Address:

Date:

Signature:

Please return this form

P O S T C A R D

LIBRARY
INSTITUTE FOR CHEMICAL RESEARCH
KYOTO UNIVERSITY
Uji Kyoto-Fu
611 Japan

〒611 京都府宇治市五ヶ庄
京都大学
化学研究所図書室行

京都大学化学研究所報告 第71巻 第3号

平成5年10月22日 印刷

【非売品】

平成5年10月29日 発行

京都府宇治市五ヶ庄
京都大学化学研究所

編集兼発行人

小 田 順 一

印刷所

〒600 京都市下京区松原通麩屋町東入北側
株式会社田中プリント
電話(075)(343)0006番(代表)

印刷者

田 中 久 代